

Patrizia Robino

Qualifica: Ricercatore confermato

Titoli: Dottore in Medicina Veterinaria, Dottore di ricerca

Attività didattica a partire dal 2001.

Corsi recenti: A.A. 2013/14 – 2014/15

Corso affidato:

Corso di Laurea Magistrale in Medicina Veterinaria (CLM2 - 010502-10)

VET0016 CI Microbiologia e immunologia veterinaria (MD Metodi di laboratorio applicati alla microbiologia e immunologia, 1 cfu) 15 ore

Attività didattica integrativa:

Esercitazioni ripetute per il MD a me affidato (VET0016) 12 ore

Esercitazioni per il C.I. Microbiologia e immunologia veterinaria (MD Microbiologia e immunologia, Titolare del corso Prof.ssa Nebbia) 15 ore

Esercitazioni per il C.I. Malattie Infettive degli animali (MD Malattie batteriche, Titolare del corso Prof.ssa Nebbia) 24 ore

Totale 66 ore

Attività di ricerca

Analisi e caratterizzazione di antigeni immunodominanti elettroforesi, 2DE, WB) di micoplasmi bovini e ovi-caprini.

Diagnosi e distribuzione della paratubercolosi in ruminanti domestici/selvatici/altri ospiti.

Caratterizzazione genetica e sierologica di lentivirus ovicaprini.

Metodi fenotipici e genotipici di tipizzazione batterica.

Messa a punto di metodi biomolecolari da utilizzare nella diagnostica clinica.

Ricerca di patogeni gastro-enterici in animali di interesse zootecnico, da affezione, volatili (Helicobacter, Campylobacter, E. coli). In particolare caratterizzazione di ceppi di E. coli: studio di fattori di virulenza, distribuzione filogenetica, profili di antibiotico-resistenza.

Patologie di animali non convenzionali (uccelli: pappagalli, passeriformi, etc): messa a punto di tecniche biomolecolari per diagnosi di Circovirus, Herpesvirus, Poliomavirus, Chlamydia psittaci. Caratterizzazione e analisi filogenetica di ceppi di Circovirus da Psittacus erithacus. Più recentemente sta effettuando studi per diagnosi di Proventricolite Dilatativa e diagnosi di Macrorabdus ornythogaster

Curriculum vitae

1990, Laurea in Medicina Veterinaria presso l'Università degli Studi di Torino

1991-93, Dottorato di ricerca triennale in "Zoonosi e Sanità Pubblica Veterinaria", Facoltà di Medicina Veterinaria, Torino

1995-97, Borsa di studio biennale post-dottorato, Dip. di Produz. Animali, Epidemiologia ed Ecologia, Area "Scienze Veterinarie", Università degli Studi di Torino

1997, Diploma di Specialista in "Ispezione degli alimenti di origine animale" presso l'Università degli Studi di Torino

1998, Assunzione a Funzionario Tecnico, VIII q.f., area funzionale Tecnico-scientifica e Socio-sanitaria, presso il Dipartimento di Produzioni Animali, Epidemiologia ed Ecologia, Università di Torino

2003-Oggi, Ricercatore confermato, settore disciplinare VET/05 (07/H3), presso Università degli Studi di Torino, Dipartimento di Scienze Veterinarie.

Patrizia Robino

Position: Research scientist

Titles: Doctor in Veterinary Medicine (DVM), Doctor of Research (PhD)

Teaching activities from 2001 to date

Recent courses (academic year 2013/14 – 2014/15):

Degree course in Veterinary Medicine (CLM2 - 010502-10)

VET0016 Integrated Course (IC) Veterinary Microbiology and Immunology (Didactic Module DM Laboratory methods applied to Microbiology and Immunology, 1 cfu) 15 h

Supplementary teaching activities (Training in the laboratory):

Hours repeated for VET0016 (my course DM Laboratory methods applied to Microbiology and Immunology) 12 h

Hours repeated for VET0016 (DM Microbiology and Immunology, Prof. P. Nebbia) 15 h

Hours repeated for VET0019, IC Infectious Diseases of Animals (DM Bacterial diseases, Prof. P. Nebbia) 24 h

Total hours 66

Research activities

Mycoplasmosis in ruminants: analysis and characterization of the immunodominant antigens (electrophoresis, 2DE, WB).

Phenotypic and genotypic methods of bacteria typing.

Diagnosis and distribution of paratuberculosis in domestic and wild ruminants.

Genetic, antigenic and serological characterization of small ruminant lentivirus.

Characterization of bacteria (*Helicobacter*, *Campylobacter*, *E. coli*) associated with gastroenteritis in domestic animals and birds. In particular characterization of strains of *E. coli*: study of virulence factors, phylogenetic analysis, profiles of antimicrobial resistance.

Pathologies of unconventional animals (birds: parrots, sparrows, etc): development of molecular techniques for diagnosis of Circovirus, Herpesvirus, Polyomavirus, *Chlamydia psittaci*. Characterization and phylogenetic analysis of Circovirus strains from *Psittacus erithacus*. More recently: studies for diagnosis of Proventriculitis Dilated and diagnosis of *Macrorabdus ornythogaster*.

Curriculum vitae

1990, University of Torino (Italy): Degree in Veterinary Medicine

1991-93, Research Doctorate (PhD) in "Zoonosis and Veterinary Public Health", Faculty of Veterinary Medicine, Division of Infectious Diseases, Torino, Italy

1995-97, Postdoctoral fellow, Faculty of Veterinary Medicine, Division of Infectious Diseases, Torino, Italy

1997, University of Torino: post-degree specialist Diploma in "Food Inspection"

11/2000 - to date, Research scientist, Department of Veterinary Sciences, Division of Infectious Diseases, Torino, Italy

Publications

Robino P, Bert E, Tramuta C, Cerruti Sola S, Nebbia P (2005) – Isolation of *Acinetobacter lwoffii* from a Lovebird (*Agapornis roseicollis*) with respiratory symptoms. *Schweizer Archiv. Fur Tierheilkunde*, 6, 267-269. ISSN: 0036-7281

Nebbia P, **Robino P**, Zoppi S, De Meneghi D (2005) – Detection and excretion pattern of *Mycobacterium avium* subspecies *paratuberculosis* in milk of asymptomatic sheep and goats by Nested Polymerase Chain Reaction. *Small Ruminant Research*, 66, 116-120. DOI: 10.1016/j.smallrumres.2005.07.049

Robino P, Alberti A., Pittau M, Chessa B, Miciletta M, Nebbia P, Le Grand D, Rosati S (2005) - Genetic and antigenic characterization of the surface lipoprotein P48 of *Mycoplasma bovis*. *Veterinary Microbiology*, 109, 201-209. ISSN: 0378-1135

Farca AM, Cavana P, **Robino P**, Nebbia P (2007) – In vitro antimicrobial activity of marbofloxacin and enrofloxacin against bacterial strains isolated from companion animals. *Schweizer Archiv. Fur Tierheilkunde*, 6, 265-271. ISSN: 0036-7281

Nebbia P, Tramuta C, Ortoffi M, Bert E, Cerruti Sola S, **Robino P** (2007) – Identification of enteric *Helicobacter* in avian species. *Schweizer Archiv. Fur Tierheilkunde*, 9, 403-407. ISSN: 0036-7281

Robino P, Alberti A, Chessa B, Pittau M, Profiti M, Rosati S (2007) – Molecular cloning and expression of a surface lipoprotein of *Mycoplasma capricolum* as a potential antigen for serological diagnosis. *Veterinary Research Communications*, 31, Suppl. 1, 257-260. DOI: 10.1007/s11259-007-0019-2

Tramuta C, **Robino P**, Oswald E, Nebbia P (2008) – Identification of Intimin Alleles in Pathogenic *Escherichia coli* by PCR-Restriction Fragment Length Polymorphism Analysis. *Veterinary Research Communications*, 32, 1-5.

Alberto A, **Robino P**, Chessa B, Rosati S, Mercier P, Mannelli A, Cubeddu T, Profiti M, Bandino E, Thiery R, Pittau M (2008) – Characterization of the *Mycoplasma capricolum* subsp. *capricolum* P58 surface lipoprotein, a specific marker of infection. *Veterinary Microbiology*, 128, 81-89.

Robino P, Nebbia P, Tramuta C, Martinet M, Ferroglio E, De Meneghi D (2008) – Identification of *Mycobacterium avium* subsp. *paratuberculosis* in wild cervids (*Cervus elaphus hippelaphus* and *Capreolus capreolus*) from Northwestern Italy. *European Journal of Wildlife Research*, 54, 357-360. DOI: 10.1007/s10344-007-0141-z

Nebbia P, Tramuta C, Giammarino M, Ambrogi C, Salvarani S, Marotta A, **Robino P** (2008) - Antimicrobial resistance, class 1 and 2 integrons and gene cassettes in avian *Escherichia coli*. *Italian Journal of Animal Science*, 7, 391-395.

Tramuta C, **Robino P**, Nebbia P (2008) - Phylogenetic background of attaching and effacing *Escherichia coli* isolates from animals. *Veterinary Research Communications*, 32, 433-437.

Reina R, Grego E, Profiti M, Glaria I, **Robino P**, Quasso A, Amorena B, Rosati S. (2009) - [Development of specific diagnostic test for small ruminant lentivirus genotype E.](#) *Veterinary Microbiology*, 138, 251-257.

Robino P, Tomassone L, Tramuta C, Rodo M, Giammarino M, Vaschetti G, Nebbia P. (2010) - [Prevalence of Campylobacter jejuni, Campylobacter coli and enteric Helicobacter in](#)

[domestic and free living birds in North-Western Italy.](#) *Schweizer Archiv. Fur Tierheilkunde*, 152, 425-431.

Tramuta, C., Nucera, D., **Robino**, P., Salvarani, S., Nebbia, P. (2011). Virulence factors and genetic variability of uropathogenic escherichia coli isolated from dogs and cats in italy. *Journal of Veterinary Science*, 12(1), 49-55.

Salvarani S., Tramuta C., Nebbia P., **Robino**, P. (2012). Occurrence and functionality of cycle inhibiting factor, cytotoxic necrotising factors and cytolethal distending toxins in escherichia coli isolated from calves and dogs in italy. *Research in Veterinary Science*, 92(3), 372-377.

P. Nebbia, C. Tramuta, R. Odore, D. Nucera, R. Zanatta, P. **Robino**. (2014). Genetic and phenotypic characterisation of Escherichia coli producing cefotaximase-type extended-spectrum β -lactamases: first evidence of the ST131 clone in cats with urinary infections in Italy.. *Journal of Feline Medicine and Surgery*, p. 1-7.

P. **Robino**, E. Grego, G. Rossi, E. Bert, C. Tramuta, M.C. Stella, P. Bertoni, P. Nebbia (2014). Molecular analysis and associated pathology of beak and feather disease virus isolated in Italy from young Congo African grey parrots (*Psittacus erithacus*) with an "atypical peracute form" of the disease.. *Avian Pathology*, vol. 43, p. 333-344.

Tramuta C, **Robino** P, Nucera D, Salvarani S, Banche G, Malabaila A, Nebbia P. (2014). Molecular characterization and antimicrobial resistance of faecal and urinary Escherichia coli isolated from dogs and humans in Italy. *Veterinaria Italiana*, vol. 50, p. 23-30.

Capitoli di libro:

Tramuta C., Nucera D., **Robino**, P., Salvarani S., Nebbia P. (2012). Antibiotic resistance profiles in relation to virulence factors and phylogenetic groups of uropathogenic Escherichia coli isolated from dogs and cats. Current Aspects in Biology, Animal Pathology, Clinic and Food Hygiene, in "Trends in Veterinary Science", Boiti C., Ferlazzo A., Gaiti A., Pugliese A., (Eds.). *Springer_Verlag* (Germania) 2012, pp 51-55. Electronic ISBN: 978-3-642-36488-4, Print ISBN: 978-3-642-36487-7